MEMORANDUM

To:

Kent Street, Chairman, Executive Committee

From:

Walter S. Willis, Executive Director 51

Subject:

September 2009 Meeting Notice Information

Date:

September 11, 2009

Attached you will find the agenda for this month's meeting, the minutes from our August 2009 meeting, and the referenced consent, action and/or informational items.

I have decided to hold off on presenting the budget item until next month's meeting. I will also present scenarios for balancing the budget next month as well. We will need to take action on it next month so that we can forward it to the Board of Directors for action at the October BOD meeting.

I look forward to seeing you all at this month's meeting. Please remember the meeting will start at 11 am, not 12 pm. I have a meeting with the Director of the IEPA on an important issue related to SB 2034 (Public Act 96-0489) at 2 pm in Chicago the same day. I appreciate you working with me to move the meeting time up.

I-1. SWALCO/IEPA HCW Agreement Update

BACKGROUND: SWALCO's Household Chemical Waste Program (HCW) operates under an Intergovernmental Agreement with the Illinois Environmental Protection Agency (IEPA). The Agreement provides general operating guidelines, names the IEPA as generator of the waste and provides approximately \$300,000 of funding to cover the transportation and disposal costs.

On August 28th staff received a phone call from the IEPA informing us that the IEPA will keep the Agreements with the permanent HCW facilities intact for the balance of their fiscal year (ending June 30, 2010). The IEPA recognizes the financial commitment that the owners of the permanent facilities have expended and are exploring means to secure funding for the next fiscal year.

Additional programs like the IEPA's pharmaceutical collection program will continue to operate through the fiscal year, however, their one day mobile HCW collection program and the Partner for Paint Programs have both been cancelled. The future of these programs is unknown at this time.

As a result of the IEPA's decision to cancel the Partner for Paint Program, Lake County's sole Partner for Paint Program member, Ela Township Highway Department (located in Lake Zurich), will conduct their last paint collection event on Saturday, September 19th.

Staff will provide periodic updates as additional information becomes available.

ENCLOSED DOCUMENT: Ela Township Highway Department's termination letter.

STAFF: Steve Nelson, HCW Engineer

SOLID WASTE AGENCY OF LAKE COUNTY, IL EXECUTIVE COMMITTEE

Thursday September 17, 2009 11:00 a.m. 1311 N. Estes Street Gurnee, IL 60031

1.	CALL TO ORDERChairman Street
2.	ROLL CALL Secretary
3.	APPROVAL OF MINUTES Minutes of August 20, 2009
4.	NEW AGENDA ITEMS
5.	PUBLIC COMMENT ON AGENDA ITEMS
6.	EXECUTIVE COMMITTEE ITEMS
	 Action Items 1. 2009 Solid Waste Management Plan Update (draft) 2. Amendment to the SWALCO Intergovernmental Agreement and Agency By-Laws
	 Information Items SWALCO/IEPA HCW Agreement Update Household Chemical Waste (HCW) Agreement Update Project and Program Updates
7.	COMMITTEE MATTERS
8.	EXECUTIVE SESSION
9.	ADJOURNMENT

MINUTES

SOLID WASTE AGENCY OF LAKE COUNTY, ILLINOIS EXECUTIVE COMMITTEE THURSDAY AUGUST 20, 2009 12:00 NOON 1311 N. ESTES STREET, GURNEE, IL 60031

MEMBERS PRESENT: Mike Ellis, Glenn Ryback, Jackie Soccorso, Steve Mandel, Diana O'Kelly. Staff: Walter Willis, Executive Director; Steve Nelson, Household Chemical Waste Engineer; Peter Adrian, Recycling Coordinator; Merleanne Rampale, Public Information Officer; Barbara Amadei, Secretary; Larry Clark, General Counsel.

CALL TO ORDER

Vice Chairman Ryback called the meeting to order at noon with five members present.

APPROVAL OF MINUTES

Motion by Highland Park, seconded by Ellis to approve the minutes as amended. Motion was approved.

PUBLIC COMMENTS

None.

NEW AGENDA ITEMS

None.

COMMITTEE ITEMS

Action Items

1. Letter Agreement with Waste Management Inc. (WMI)

Mr. Willis explained that this is an agreement to have WMI pay the Affected Area Compensation Fee directly to Lake County per SWALCO approval. At this time, the AACF is paid to SWALCO and then transferred to Lake County. This is an effort to have the AACF go directly to Lake County and have the landfill surcharge sent directly to SWALCO.

Motion by Highland Park, seconded by Lake County to approve the letter agreement with WMI. Motion was unanimously approved.

Information Items

1. 2nd Quarter 2009 Recycling and Per Ton Payment Report

Mr. Adrian reviewed his report. The recycling markets are still down and the members will not receive a Per Ton Payment for the 2nd quarter. The 3rd quarter is increasing and the members could get a per ton payment. Mr. Adrian said there is a direct connection between cart collection and increased recycling.

2. Household Chemical Waste Collection (HCW) Results - June, July and August

Mr. Nelson reviewed his report. He stated that there has been no termination report from the Illinois Environmental Protection Agency so there will be a Lake Forest mobile HCW event on September 26. There will be two drop off events in September - the 12th and 21st.

Proposed FY 2010 SWALCO Budget

Mr. Willis explained that during the last month, better data from the county came concerning the increases to health, life and dental, indirect cost and IMRF payments. There will be no salary increases or sick pay reimbursements. Estimated interest income is not 2.5%, but 1.25%.

Expenditures: Cutting 10% in 2010 - cuts in trips/training; advertising; contractuals; capital. Revenue: Hopefully, this is a conservative estimate. Crystal Lake Transfer Station will open this next year and take some of the waste from Countryside Landfill, which decreases our surcharge revenue.

With the cuts in expenditures and the decrease in revenue, there will be a \$77,000 deficit. To make a balanced budget, there would need to be cuts to personnel by using furloughs, full time to part time, cut jobs, or cut the household chemical waste program by 50%.

The Committee agreed that a new source of revenue needs to be found because we cannot continue to deficit spend. The Committee agreed that we only have so much time left on the landfills which is our main source of revenue. They agreed that capital money could be used to fund SWALCO this next year, but asked for Mr. Willis to bring them a balanced budget scenario.

Mr. Adrian will be in discussions with SIMS on being paid for electronics, but some of that revenue may go to the members.

Long term, we need to site transfer stations, new disposal technologies, etc. where we can get a host fee or administrative fee. The surcharge ordinance of 1989 states that the money goes to the enforcement program and SWALCO.

The Committee asked Mr. Willis to bring back a couple of scenarios for a balanced budget to the October meeting and to go into executive session to discuss what it means to

personnel.

The Committee agreed that the members will need to decide if SWALCO is important to fund. Some members stated they would agree to a raise to the O&M Fee and some members were opposed to an increase.

Mr. Willis stated that other revenue sources could be an increase, through legislation, to the surcharge fee; a \$2.00 Operations and Maintenance fee; a host fee for waste accepted at a transfer station; fee on electronic collection.

Mr. Clark will review whether it is legal to go into executive session to discuss the budget and personnel cuts.

4. Project and Programs Update

- Mr. Willis met with the Health Department and the County Administrator. The HD will prepare a proposed amendment to the MOU to address the topic of the Solid Waste Surcharge.
- 2) There has been no action with Republic or Waste Management.
- Mr. Willis met with the County Administrator and Veolia on the proposed expansion.
- 4) There is no letter from the IEPA on the termination of our HCW agreement.
- 5) The training went well at the Riverwoods/Lincolnshire HCW Satellite facility.
- The Plastic Bag Task Force had a media event on July 20th at Sunset Foods. We are expanding the public knowledge regarding the options for recycling plastic bags.
- 7) The Highland Park commercial franchise program is ongoing. Increased participation is the focus at this point.
- 8) Mr. Willis is contacting other units of local government to build a coalition in support of raising the surcharge fee charged at landfills.
- 9) A draft of the Plan Update will be brought to the Board in August.
- Ms. Rampale has been updating the website and at this time there are no plans to go out on our own with a redesigned website.

5. Electronic Collection Update

. Mr. Adrian reviewed the Electronic Collection Program.

6. Amendment to the SWALCO Intergovernmental Agreement

Mr. Willis stated that John Norris has tendered his resignation to the Village of Riverwoods, and is therefore no longer a member of the SWALCO Board. At the last Executive Committee meeting a subcommittee was appointed to make recommendations on changing the language to the SWALCO Intergovernmental Agreement to clarify the composition of the Executive Committee and to clarify the qualifications of the directors and alternates appointed to SWALCO.

It was agreed that:

Nine members would make up the Executive Committee.

Lake County should be a permanent member.

Have 2 members, in good standing, with a population of over 30,000 (5 at this time) or more should rotate with two-year terms.

6 members, in good standing, chosen from members of 30,000 or less populations who rotate with two year terms.

Seats on the Executive Committee would be awarded to the member town, and not the individual.

Discussion included:

There is an importance of having people with history and longevity on the Executive Committee. It is also important to have more communities involved. Should you have only some seats rotate and others wouldn't rotate? Should only Directors sit on the Executive Committee? Should the Executive Committee be made larger? How long are the terms? Should the six remaining seats go to only those members with 30,000 population or less? Do not do rotation for remaining six seats. Prior to vacancies, the members should be urged to be on the Executive Committee if they haven't already served.

It was agreed that:

Directors must meet one of the following categories: 1) Mayor or President of the member, 2) trustee, councilperson, alderman, commissioner or board member; or 3) Village or City Manager/Administrator of the member.

Alternate Directors must meet one of the above categories or meet the following fourth category: 4) a full-time employee in an executive level position with the member.

Members would be strongly encouraged to appoint alternates that meet the first three categories.

An alternate can be appointed by the member to sit on the Executive Committee, again with the encouragement to appoint the Director whenever practicable.

An information item on this topic will be presented to the Board at their August board meeting.

If the Agreement is not unanimously approved by the members, then we will need to enforce the current language, which would require that approximately 20 appointees be removed from SWALCO.

EXECUTIVE SESSION

Motion by Highland Park, seconded by Ellis to go into executive session citing 5 ILCS 120/2(c)(21) review of prior executive session minutes. Motion was approved unanimously.

Discussion.

Motion by Highland Park, seconded by Ellis to come out of Executive Session. Motion was approved.

Motion by Ellis, seconded by Highland Park to approve and release the Executive Session minutes of July 16, 2009. Motion passed unanimously.

ADJOURNMENT

Motion by Lake County, seconded by Soccorso to adjourn. Motion passed.

SOLID WASTE AGENCY OF LAKE COUNTY (SWALCO) EXECUTIVE COMMITTEE

COMMUNITY	REPRESENTATIVE	TITLE
FLYNN		ASSISTANT VILLAGE ADMINISTRATOR
ELLIS	MIKE ELLIS	VILLAGE MANAGER
		<u>.</u>
Rуваск	Glenn Pybock	Mayor
Soccorso	In De	DIRECTOR OF ENVIRONMENTAL QUALITY
STREET	0	VILLAGE ADMINISTRATOR
CITY OF HIGHLAND PARK	Steven Monda	Councilman
LAKE COUNTY	Diany Okelly	BOARD MEMBER

SOLID WASTE AGENCY OF LAKE COUNTY, (SWALCO) EXECUTIVE COMMITTEE

	ATTENDANCE	20 mm (c)		1904			*144	100	
NAMES		A	N	A	N	A	N	A	N
FLYNN									
ELLIS	/	.:/							
Ryback		/	\	-					
Soccorso		_			2			·	
STREET			, NPA .	e e e e e e e e e e e e e e e e e e e					
HIGHLAND PARK								***************************************	
LAKE COUNTY	\checkmark								
TOTAL	5	5	0						

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A - 1. 2009 Plan Update (draft)

ISSUE: Whether to approve the draft 2009 Plan Update.

RECOMMENDATION: The Executive Director recommends that the Executive Committee approve the draft 2009 Plan Update and forward it to the Board of Directors for consideration at its October 22, 2009 meeting. The Executive Director also recommends that the Executive Committee require a public hearing be held on the Plan Update prior to the October 22, 2009 BOD meeting.

<u>BACKGROUND</u>: The Citizens Advisory Committee (CAC) voted unanimously to approve the draft 2009 Plan Update at its final meeting on August 26, 2009.

The attached draft 2009 Plan Update has only one revision in it that was not originally approved by the CAC – recommendation L.4 (Landfilling recommendation). The CAC's recommendation regarding new landfills is as follows:

L.4 With less than ten years of permitted landfill capacity in Lake County, a new landfill would be considered as a local solution to managing Lake County's waste. If the proposed new landfill meets the applicable requirements of the Lake County Solid Waste Management Plan (Recommendations L.5 and L.6) it will be considered consistent with the Plan

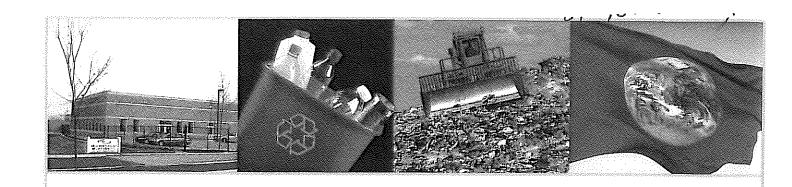
Based on discussions at the Board of Directors meeting on August 27, 2009 the following modified language has been included in the attached draft 2009 Plan Update:

L.4 No new municipal waste landfill (defined as any facility developed for the final disposal of unprocessed municipal waste, except those identified in Recommendation L.3) will be allowed anywhere within incorporated or unincorporated Lake County. Any such proposed new landfill proposed for the disposal of unprocessed municipal waste will be considered inconsistent with the Plan. A new landfill will be considered consistent with the Plan if it accepts processed waste (defined as the by-product and/or residue resulting from a mass burn incinerator or alternative technology facility) and meets the applicable requirements of the Lake County Solid Waste Management Plan (Recommendations L.5 and L.6).

If the Executive Committee approves the draft Plan Update, a public hearing will be held (prior to the October 22, 2009 Board of Directors meeting), and a hearing transcript will be created. After the hearing and after considering comments from the public, the Board of Directors will vote on the Plan Update at its meeting on October 22nd. From there, the Plan Update will be sent to Lake County. It is expected that the Lake County Board will vote on the Plan Update in December 2009.

ENCLOSED DOCUMENTS: Draft 2009 Plan Update (without attachments)

STAFF: Walter Willis, Executive Director



2009 Solid Waste Management Plan Update for Lake County, Illinois

Plan Update Timeline

Adopted by Citizens Advisory Committee: August 26, 2009 Adopted by SWALCO Board of Directors: Adopted by Lake County Board:





Prepared by:



Solid Waste Agency of Lake County, IL 1311 N. Estes . Gurnee, IL 60031 847.336.9340

www.swalco.org

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www.shawgrp.com

Agency Staff

Walter Willis, Executive Director
Peter Adrian, Recycling Coordinator
Barbara Amadei, Office Manager
Steve Nelson, Household Chemical Waste Engineer
Merleanne Rampale, Public Information Officer

Member Communities

Antioch	Green Oaks	Killdeer	Libertyville	Park City	Third Lake
Beach Park	Gurnee	Lake Barrington	Lincolnshire	Port Barrington	Tower Lakes
Deer'Park	Hainesville	Lake Bluff	Lindenhurst	Riverwoods	Vernon Hills
Deerfield	Hawthorn Woods	Lake County	Long Grove	Round Lake	Wadsworth
Fox Lake	Highland Park	Lake Forest	Mundelein	Round Lake Beach	Wanconda
Grayslake	Highwood	Lake Villa	North Barrington	Round Lake Heights	Waukegan
Great Lakes NTC	Island Lake	Lake Zurich	North Chicago	Round Lake Park	Winthrop Harbor
			Zion		

Prepared for:



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		Waste Disposal Rates



SECTION 1 INTRODUCTION

1.1 Planning Background

With the passage of the Solid Waste Planning and Recycling Act in 1988, counties were required to develop waste management plans to manage the municipal waste generated within their borders. Lake County adopted its first Solid Waste Management Plan (the "Plan") in 1989 and has since adopted the required five year updates in 1994, 1999, 2004 and now 2009 as represented by this document.

The Solid Waste Planning and Recycling Act allows counties to delegate the development of the solid waste management plans to a municipal joint action agency. Lake County has chosen to delegate the updating of the original 1989 Plan to the Solid Waste Agency of Lake County (SWALCO), which was formed in 1990. State law still requires Lake County to formally adopt all plan updates and amendments, even though they may be prepared by SWALCO.

From the outset of the requirement to develop a solid waste management plan Lake County has taken a regional approach to planning and implementation by working jointly with the incorporated municipalities. The 1989 Plan was prepared by the Lake County Joint Action Solid Waste Planning Agency which was formed by intergovernmental agreement and represented 31 municipalities and the County of Lake covering approximately 95% of the County's population. That Agency eventually lead to the formation of SWALCO, which became responsible for implementing the 1989 Plan and conducting future planning for all of Lake County.

Much has changed since Lake County adopted its first Plan in 1989. Recycling programs have increased dramatically with recycling more than doubling since 1989; landfills in Lake County have continued to close as the number of active landfills has decreased from 6 to 2; population and economic activity have increased significantly, the County's population in 1989 was approximately 450,000, today it is over 700,000; and citizens and businesses have a renewed awareness of the need to conserve resources and protect the environment. The Lake County Plan has continued to evolve during the past 20 years, which is one of the practical and useful benefits of updating the Plan every five years.

1.1.1 Scope of the Lake County Plan

The Lake County Plan is applicable to all geographic areas of Lake County (refer to Figure 2.1 in Section 2). It is also applicable to all units of local government in Lake County regardless of their membership in SWALCO or not. The only exclusion is for units of local government, including Barrington, Buffalo Grove and Wheeling, which are members of another municipal joint action agency (SWANCC). To further clarify, if, for example, a pollution control facility was proposed within a portion of Buffalo Grove that was within Lake County that facility would have to be consistent with the Lake County Plan not the applicable Cook County Plan.

A pollution control facility includes disposal facilities such as landfills, mass burn incinerators, alterative disposal technologies, and transfer stations that accept municipal waste. Solid waste plans have specific importance with respect to pollution control facilities that manage waste



because such facilities must meet the following criterion (415 ILCS 5/39.2(a)(viii)) to be granted local siting approval (along with 8 other criteria):

If the facility is to be located in a county where the county board has adopted a solid waste management plan consistent with the planning requirements of the Local Solid Waste Disposal Act or the Solid Waste Planning and Recycling Act, the facility is consistent with that plan; for purposes of this criterion (viii), the "solid waste management plan" means the plan that is in effect as of the date the application for siting approval is filed;

Therefore, any pollution control facility proposed to be located anywhere within incorporated or unincorporated Lake County must demonstrate that it is consistent with this 2009 Plan Update in order to receive local siting approval. Recommendations and requirements applicable to pollution control facilities that may have existed in the 1989 Plan or the subsequent Plan Updates are superseded by this 2009 Plan Update.

1.1.2 Development of the 2009 Plan Update

Keeping with Lake County's tradition of preparing consensus based plan updates, a Citizens Advisory Committee (CAC) was formally appointed by the SWALCO Board of Directors on October 23, 2008. The list of the CAC members is contained in Attachment A, along with the minutes from the CAC's meetings held on the following dates in 2009: January 28, February 25, April 29, May 27 and August 26. At its meeting on August 26, 2009 the CAC approved the draft 2009 Plan Update.

The draft 2009 Plan Update was then presented to SWALCO's Board of Directors on August 27, 2009. Subsequently, the SWALCO Executive Committee approved the Plan Update at its meeting on September 17, 2009. SWALCO then conducted a public hearing on the Plan Update (transcripts from the hearing are in Attachment B) on ______, 2009. The SWALCO Board of Directors voted to approve the Plan Update on October 22, 2009. The Plan Update was then forwarded to the Lake County Board with a recommendation from SWALCO to approve it.

At the County level, the 2009 Plan Update was first reviewed by the Lake County Public Works
and Transportation Committee, and the Committee voted to forward the Plan Update to the ful
County Board with a positive recommendation to approve it on
public hearing on the Plan Update was held on, 2009. After considering all the
comments of the public and acknowledging the hard work of the CAC, the Lake County Board
approved the 2009 Plan Update on, 2009 (the County Board resolution adopting the
2009 Plan Update is in Attachment C).

It should be noted that during the past five years since the 2004 Plan Update was approved the Plan was amended twice with respect to the same recommendation regarding Host Community Benefit Agreements, recommendation A.1. The first amendment was approved by the Lake County Board on May 13, 2008 and the second was approved on May 12, 2009 (both amendments are in Attachment D). The language from the second amendment has remained the same in this 2009 Plan Update.



1.2 Organization of the 2009 Plan Update

The remainder of the 2009 Plan Update is organized as follows:

- Chapter 2 Waste Generation and Management
- Chapter 3 Implementation Status of the 2004 Plan Update
- Chapter 4 Recommendations for the 2009-2014 Planning Period

Several attachments have also been included in the 2009 Plan Update, including Attachment E which includes annual reports on SWALCO's programs for 2004, 2005 and 2007/2008 (no report was prepared in 2006). These reports provide more in depth information on the numerous programs and services provided by SWALCO and its member communities, which in reality serve all of Lake County's residents and businesses.



SECTION 2 WASTE GENERATION AND MANAGEMENT

2.1 Introduction

This section of the 2009 Plan Update provides updated information on demographics and waste generation within the SWALCO Planning area and Lake County. The Lake County Solid Waste Management Plan (the Plan) was first developed in 1989, and was updated in 1994, 1999 and 2004. The 2009 Plan update generally utilizes data sources and methodologies similar to those used in prior studies, in order to facilitate comparison with prior plan updates. A greater level of research into current waste generation rates was performed for this study, however, because a comprehensive review of waste generation has not been performed for SWALCO and Lake County since the original Plan was adopted over 20 years ago.

2.2 Planning Area

The Solid Waste Agency of Lake County (SWALCO) is comprised of 41 municipalities, Lake County and the Great Lakes Naval Training Center. There are 8 municipalities in the County that have not joined SWALCO, and three municipalities (Barrington, Buffalo Grove and Wheeling) that are members of the Solid Waste Agency of Northern Cook County (refer to Figure 2.1). These latter three municipalities lie only partially in Lake County. Four of the SWALCO communities and three of the non-SWALCO communities also lie partially in other counties.

Historically, the "planning area" has consisted of the SWALCO members and non-member communities, but excluding the three municipalities that are members of SWANCC. The population within the planning area therefore tracks the County's population closely, but is somewhat lower because Barrington, Buffalo Grove and Wheeling are considered part of the SWANCC planning area. (For reference, in 2000, Barrington had 4,461 residents in the Lake County portion of its boundaries, Buffalo Grove had 28,491 residents, and Wheeling had no residents; combined, the Lake County portion of these communities represented about 5 percent of the County's population.)



⊈2Whithrep Harbor Zion Beach Park Wadsworth Old Mill Creek Lake Villa Lindenhurst Round Cake Heights。 記 Round Lake Bleach Waukegan Third Цак gonud räke Halbesville 🗅 Grayslake North Chicago Green Oaks 45 Libenyvíllé Island Lake Vondelein Lake Bluff 41 Port Barnneton orest <u>áķe</u> Śarrington Highwood LincolnshireBannockburn Fox River Greve I Dong Grove ke Zurich 14 dighland Park Deerfield Barringion Hills **LEGEND SWALCO Member Municipality** Municipality in Other Solid Waste Agency Unincorporated Lake County (SWALCO Member through County of Lake) Non-SWALCO Municipality Interstate **US Highway**

FIGURE 2.1 LAKE COUNTY AND SWALCO PLANNING AREA



2.3 Demographics

Projections of population, households and employment for Lake County and the planning area were developed using the latest available forecasts from the Chicago Metropolitan Agency for Planning. CMAP is the regional planning body which succeeded the Northeastern Illinois Planning Commission. Long-term forecasts (e.g., 2030) are provided in Table 2.1.

	2000	2030	Increase (Number)	Increase (%)	Annual Growth
Population					
Lake County	644,580	841,860	197,280	30.6%	0.9%
SWALCO Planning Area	611,628	807,228	195,600	32.0%	0.9%
Households					
Lake County	216,329	290,886	74,557	34.5%	1.0%
SWALCO Planning Area	204,902	278,624	73,722	36.0%	1.0%
Persons Per Household					
Lake County	2.98	2.89			
SWALCO Planning Area	2.98	2.90			**********
Employment					
Lake County	352,582	463,509	110,927	31.5%	0.9%
SWALCO Planning Area	336,186	443,303	107,117	31.9%	0.9%

Notes:

- 1. Source: CMAP, Northeastern Illinois Planning Commission 2030 Forecasts of Population, Households and Employment by County and Municipality, September 27, 2006.
- 2. All data (except persons per household) are CMAP estimates and projections. CMAP population data for 2000 are generally Census data (with adjustments to initial Census counts for Highland Park and Highwood). Persons per household calculated by dividing population by the number of households.
- 3. Refer to Table 2.3 for municipal level projections which provide more detail on SWALCO planning area.
- 4. Projections for Lake County include only the Lake County portion of communities that lie partially in the County.
- Projections for SWALCO Planning Area include only Lake County portion of communities that lie
 partially in the County, and exclude Barrington, Buffalo Grove and Wheeling (which are members
 of the Solid Waste Agency of Northern Cook County).
- Population and household counts for the Lake County portion of communities that lie partially in the County were available in 2000 Census data, but not in 2030 CMAP data. 2030 projections for these communities were calculated by assuming that the growth rate for the Lake County portion of a community is the same as the growth rate for the entire community.
- 7. Employment counts for the Lake County portion of communities that lie partially in the County were not available in 2000 Census data. For those communities, employment was assumed to have the same proportion within Lake County as population.



Population, households, and employment in Lake County are projected to grow by about 1 percent annually between 2000 and 2030. CMAP projects a faster rate of growth (on a percentage basis) in Kane, McHenry and Will Counties, and a slower rate of growth in Cook and DuPage Counties.

Future growth in Lake County will be more moderate than the faster rates of growth experienced in the 1980 - 2000 period (refer to Figure 2.2). During that period, population grew by 1.9 percent annually, households by 2.2 percent annually, and employment by 4.3 percent annually.

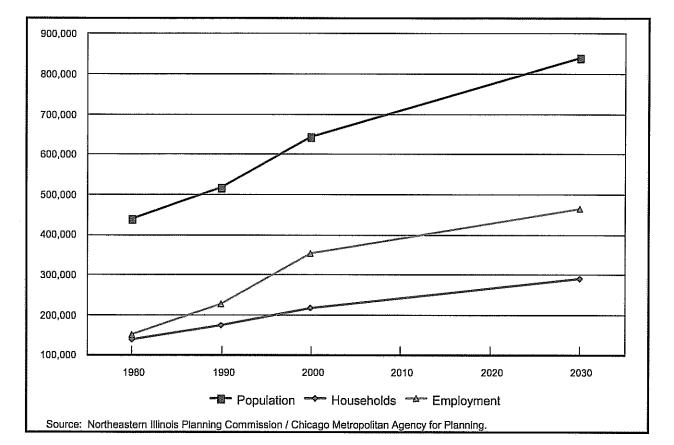


FIGURE 2.2 DEMOGRAPHIC TRENDS IN LAKE COUNTY

Near-term forecasts for 2008 and the current five-year Plan Update period (2009 - 2014) are provided in Table 2.2. These near-term forecasts are provided for the use of SWALCO staff in submitting annual recycling reports to the Illinois Environmental Protection Agency, as well as estimating waste quantities during the five-year period.



	2008	2009	2010	2011	2012	2013	2014
Population							
Lake County	697,188	703,764	710,340	716,916	723,492	730,068	736,644
SWALCO Planning Area	663,788	670,308	676,828	683,348	689,868	696,388	702,908
Households							
Lake County	236,211	238,696	241,181	243,667	246,152	248,637	251,122
SWALCO Planning Area	224,561	227,018	229,476	231,934	234,391	236,848	239,305
Persons Per Household							
Lake County	2.95	2.95	2.95	2.94	2.94	2.94	2.93
SWALCO Planning Area	2.96	2.95	2.95	2.95	2.94	2.94	2.94
Employment							
Lake County	382,163	385,860	389,558	393,255	396,953	400,650	404,348
SWALCO Planning Area	364,751	368,321	371,892	375,462	379,033	382,603	386,174

Municipal level projections are provided in Table 2.3. These municipal level projections were the basis for the planning area forecasts presented earlier. Comparison of Table 2.3 with Figure 2.1 indicates that growth rates will be higher in communicates located in the west half of the County. This is reasonable given that the eastern half of the County is a highly developed area comprised of more mature communities.



<u> </u>	Populat	ion	Househ	olds	Employ	ment
Community	2008	2030	2008	2030	2008	2030
SWALCO Member Commun						
Antioch	14.603	30,594	5.018	9.921	4.933	7.228
Beach Park	11.847	16,729	4,179	5.674	684	1.012
Deerfield (partial)	18.627	20.050	6,607	7.461	25.320	30.240
Deer Park (partial)	3,291	3.837	1,070	1,306	867	2,780
Fox Lake (partial)	9.855	12.290	4.351	5,365	1.668	2,406
Gravslake	19.996	24.094	7.200	9,116	6.384	10.466
Green Oaks	3.896	4.786	1.222	1,615	2,182	3,841
Gurnee	30.689	35.791	11.451	13.713	22,690	30,569
Hainesyille	2.659	4,118	902	1.456	596	1.230
Hawthorn Woods	8,655	15.951	2,589	4.674	2,280	7.120
Highland Park Highwood	31,058	33,246	11,524	12,027	14.696 1.071	14,733
Island Lake (partial)	5.365 3.841	5.076 5.792	1,885 1,303	2,087 2,029	362	1,169 827
Kildeer	3.889	5.792	1,251	1,730	1.031	1,669
Lake Barrington	5.007	5.695	2.087	2.220	1.257	1,590
Lake Bluff	6.522	7.805	2.171	2,220	4.205	4.973
Lake Forest	20,729	22,573	6,979	7.783	20,431	22.720
Lake Villa	8.713	16.546	3,171	6.248	1,999	2.792
Lake Zurich	18,762	20.571	6.061	6.929	12.085	16.081
Libertyville	20,963	21,569	7,390	7,644	15.927	20.494
Lincolnshire	7.266	10,452	2,410	3.169	20.964	22,737
Lindenhurst	14.487	19.843	4.857	6,568	1,042	2,348
Long Grove	7.831	10.846	2.457	3,817	4.114	5.097
Mundelein	31.786	34.126	10.484	12.206	14.906	18,670
North Barrington	3.084	3,542	1.080	1.291	720	936
North Chicago	38.006	43.747	8.090	9.269	17.785	30,337
Park City	6,722	6.956	2.638	2.744	2.705	3.047
Port Barrington	289	597	106	216	0	0
Riverwoods	3.880	3,981	1,261	1,261	3,101	5.316
Round Lake	11.574	27.338	3,860	8,895	4.065	9,597
Round Lake Beach	26.937	29.900	8.101	10,169	3.919	5,359
Round Lake Heights	1.668	2.552	532	825	282	387
Round Lake Park	7.082	9.954	2.559	3.735	1.876	6.470
Third Lake	1,366	1.395	431	441	44	102
Tower Lakes	1.345	1,442	461	494	107	109
Vernon Hills	21,397	24,908	8,084	9,502	28.298	34.106
Wadsworth	4.142	7,053	1,414	2,464	730	1,950
Wauconda	13,769	25,653	5.017	8.883	9.505	13.105
Waukegan	89,184	92,714	28,781	31.516	39.161	44.702
Winthrop Harbor	8.440	13,306	2,981	4,661	516	743
Zion	25.458	32.585	8.575	11,390	7,131	10,032
Unincorporated Lake	77.833	61.104	28.350	23,646	47,232	21,649
Subtotal	652,513	776.176	220.940	268,477	348.871	420,739
Non-SWALCO Communities		4 470	oer I	070	7.00	7 400
Bannockburn Barrington Hills (partial)	1,442	1,479	255	270	7.035	7,406
Fox River Grove (partial)	543	653	201	245	96	118
Indian Creek	181 199	203 211	47 67	47 72	35 155	35 269
Lakemoor (partial)	2.898	8,156	1,114	3,030	570	1,494
Lakemoor (partial) Mettawa	649	1,426	230	3,030 493	6,659	9.026
Old Mill Creek	1,581	5,237	445	1.399	563	1.355
Volo	3.782	13,686	1,262	4,591	767	2.861
Subtotal	11.275	31.052	3.621	10,147	15,880	22,564
Total	11.617	U 1.00E]	<u> </u>	17177		22,004

Projections for communities identified as partial include only Lake County residents/households/employment. 2008 values estimated by interpolation between 2000 and 2030 CMAP data.



2.4 Waste Generation

This section presents updated waste generation information for the SWALCO planning area. The Solid Waste Management Plan (1989) utilized a number of sources to estimate waste generation rates (i.e., pounds per person per day, pounds per employee per day), including surveys of landfills, surveys of municipalities, and published studies. Subsequent Plan Updates (1994, 1999, and 2004) modified the initial estimates by applying adjustment factors based on national-level estimates of waste generation. The last two Plan Updates assumed that waste generation rates would decrease each year. A comprehensive review of waste generation in Lake County has not been performed since the original 1989 Plan was prepared.

SWALCO conducts annual surveys of waste haulers and recyclers to collect information on waste quantities. Haulers are surveyed quarterly on residential waste quantities, and twice per year on residential, commercial and construction/demolition waste quantities. Landscape waste compost facilities and recycling firms are also surveyed annually to estimate quantities of waste that are diverted. The SWALCO survey information is utilized in developing the waste generation rates in this report. However, responses to hauler surveys have not always been complete, and the hauler data shows large fluctuations in annual waste quantities (as much as 130 percent). As a result, this study utilizes data reported to the Illinois Environmental Protection Agency (IEPA) on the quantities of waste disposed in landfills to augment the survey data and obtain comprehensive and accurate estimates of waste generated in the planning area.

2.4.1 Residential Waste Generation

Tables 2.4 and 2.5 show estimates of the annual quantities of residential waste generated by municipalities in the planning area for 2007 and 2008, as reported by haulers in their quarterly residential surveys. Data was available for 40 of the 49 municipalities in the planning area. The amount of waste generated includes the amount of waste recycled, the amount of landscape waste diverted, and the amount of waste disposed by each community. The number of homes serviced by the hauler(s) in each municipality was also obtained from the quarterly survey.

Residential waste generation rates were estimated using the waste quantities and number of homes served from Tables 2.4 and 2.5 and the average household size data from Table 2.2. Note that these rates are based on the amounts of hauler-collected waste from each community:

Residential Waste Generation - Hauler Collected Waste

2007 = (352,025 tons x 2000 lbs/ton) / (169,244 homes x 2.96 persons/hh x 365 day/year)

= 3.85 pounds/capita/day (pcd)

= 2.72 pcd (disposed) + 1.13 pcd (diverted)

2008 = (345,781 tons x 2000 lbs/ton) / (173,991 homes x 2.96 persons/hh x 365 day/year)

= 3.69 pounds/capita/day (pcd)

= 2.66 pcd (disposed) + 1.03 pcd (diverted)

The lower generation rate for 2008 is due to a small decrease in the total amount of residential waste generated as well as an increase in the number of homes that haulers reported serving. Residential diversion rates (i.e., waste diverted to recycling or yardwaste composting) were largely comparable at 28-29 percent.



	Homes Served	Recycling (tons)	Yardwaste (tons)	Disposed (tons)	Generated (tons)	Diversion (%)
SWALCO Member Commun	nities					
Antioch	3,300	1,511	610	4,193	6,313	33.6%
Beach Park	2,617	969	219	5,772	6,960	17.19
Deerfield	5,500	3,002	558	7,246	10,806	32.9%
Deer Park	1,064	450	240	1,368	2,058	33.5%
Fox Lake	3,912	567	723	2,507	3,797	34.09
Grayslake	6,674	3,553	1,408	5,500	10,461	47.49
Green Oaks	1,066	506	409	2,896	3,811	24.0%
Gurnee	9,250	3,863	1,809	8,436	14,108	40.29
Hainesville	912	414	76	1,172	1,662	29.5%
Hawthorn Woods	2,077	1,905	217	3,071	5,194	40.9%
Highland Park	9,438	5,281	947	8,793	15,020	41.5%
Highwood	1,017	367	69	1,489	1,925	22.6%
Island Lake	2,892	779	462	3,102	4,342	28.6%
Kildeer	1,222	776	139	1,612	2,527	36.29
Lake Barrington	2,140	801	0	2,150	2,951	27.19
Lake Forest	5,700	2,285	2,593	9,244	14,121	34.59
Lake Villa	2,193	547	405	855	1,807	52.7%
Lake Zurich	5,983	3,846	2,235	8,968	15,049	40.49
Libertyville	5,844	2,612	836	14,961	18,409	
Lincolnshire	2,499	1,199	172	2,008	3,380	18.7%
Lindenhurst	4,600	2,070	572	11,897	14,539	40.6% 18.2%
Long Grove	2,391	1,163	153	3,083		
Mundelein	8,448	3,654	2,375	20,943	4,399 26,972	29.9%
North Barrington	1,036	585	358	1,721		22.4%
North Chicago	3,528	952	1,044	5,212	2,664	35.4%
Park City	298	130	92	761	7,208	27.7%
Port Barrington	480	115	89	318	983	22.5%
Riverwoods	1,131	772	79		521	39.0%
Round Lake	5,093	1,747	941	1,982	2,833	30.0%
Round Lake Beach	7,605	2,820		5,889	8,576	31.3%
Round Lake Heights	699	·	1,005	9,418	13,242	28.9%
Round Lake Park	1,365	328	112	1,904	2,344	18.8%
Third Lake	409	376	464	2,153	2,992	28.1%
Tower Lakes		181	60	523	764	31.6%
Vernon Hills	428 5,931	184	90	484	758	36.1%
Wadsworth		2,569	3,408	6,446	12,423	48.1%
Wauconda	974	436	89	2,012	2,537	20.7%
	3,394	1,262	341	2,764	4,368	36.7%
Waukegan	18,070	2,414	6,095	23,848	32,357	26.3%
Winthrop Harbor	2,062	577	635	2,934	4,147	29.2%
Zion	6,276	684	3,283	8,906	12,873	30.8%
Unincorporated Areas	19,726	7,023	2,688	40,111	49,822	19.5%
Total						
Total Notes:	169,244	65,275	38,100	248,650	352,025	29.4%



N. 10 %	Homes Served	Recycling (tons)	Yardwaste (tons)	Disposed (tons)	Generated (tons)	Diversion (%)
SWALCO Member Communities						
Antioch	3,300	1,432	686	3,420	5,537	38.2%
Beach Park (Note 3)	2,553	938	127	5,873	6,938	15.3%
Deerfield	5,500	2,954	523	6,642	10,119	34.49
Deer Park	1,075	507	279	1,239	2,025	38.89
Fox Lake	3,912	506	443	2,417	3,367	28.29
Grayslake	6,674	3,029	1,372	5,264	9,665	45.5%
Green Oaks (Note 3)	1,046	466	354	2,988	3,808	21.5%
Gurnee	9,250	3,708	1,878	7,593	13,180	42.49
Hainesville	993	303	75	1,357	1,734	21.8%
Hawthorn Woods	2,077	2,006	225	2,911	5,141	43.49
Highland Park	9,438	4,911	837	8,082	13,830	41.69
Highwood	1,017	363	49	1,353	1,765	23.39
Island Lake	2,892	802	525	2,827	4,154	31.9%
Kildeer	1,219	685	189	1,350	2,224	39.3%
Lake Barrington	2,140	883	0	2,407	3,290	26.8%
Lake Forest	5,700	2,378	2,020	8,556	12,953	33.9%
Lake Villa	2,193	687	423	797	1,907	58.29
Lake Zurich	6,240	3,507	2,244	7,518	13,269	43.3%
Libertyville (Note 3)	5,597	2,472	1,490	14,972	18,934	20.99
Lincolnshire	2,796	1,011	245	1,528	2,784	45.1%
Lindenhurst (Note 3)	4,551	1,945	877	12,304	15,126	18.79
Long Grove	2,393	1,093	168	2,703	3,963	31.89
Mundelein (Note 3)	8,277	3,508	3,345	21,312	28,165	24.3%
North Barrington	1,036	571	343	1,387	2,301	39.7%
North Chicago	3,528	896	1,509	6,568	8,973	26.8%
Park City (Note 3)	298	124	53	794	971	18.2%
Port Barrington	480	80	92	283	455	37.89
Riverwoods	1,140	938	44	1,146	2,128	46.29
Round Lake	5,093	1,767	1,021	5,646	8,434	33.19
Round Lake Beach	7,605	2,754	1,435	9,005	13,194	31.89
Round Lake Heights (Note 3)	733	317	116	1,952	2,385	18.29
Round Lake Park	2,936	791	147	2,485	3,423	27.49
Third Lake	409	170	89	466	724	35.7%
Tower Lakes	428	189	0	457	647	29.3%
Vernon Hills	5,931	2,577	1,049	6,983	10,609	34.29
Wadsworth (Note 3)	958	424	36	2,184	2,644	17.49
Wauconda	3,394	1,169	330	2,604	4,103	36.5%
Waukegan	19,937	2,466	2,899	27,754	33,119	16.2%
Winthrop Harbor (Note 3)	2,281	1,000	1,366	5,286	7,652	30.9%
Zion	6,278	624	955	8,902	10,482	15.1%
Unincorporated Areas (Note 3)	20,698	6,783	2,615	40,260	49,658	18.9%
Total	20,000	0,100	2,010	70,200		10.0/
Total	173,991	63,733	32,473	249,574	345,781	27.8%

- Source: SWALCO Quarterly Residential Waste Hauler surveys. Not all Lake County communities reported data. Disposal tonnages annualized based on two quarters of data.

